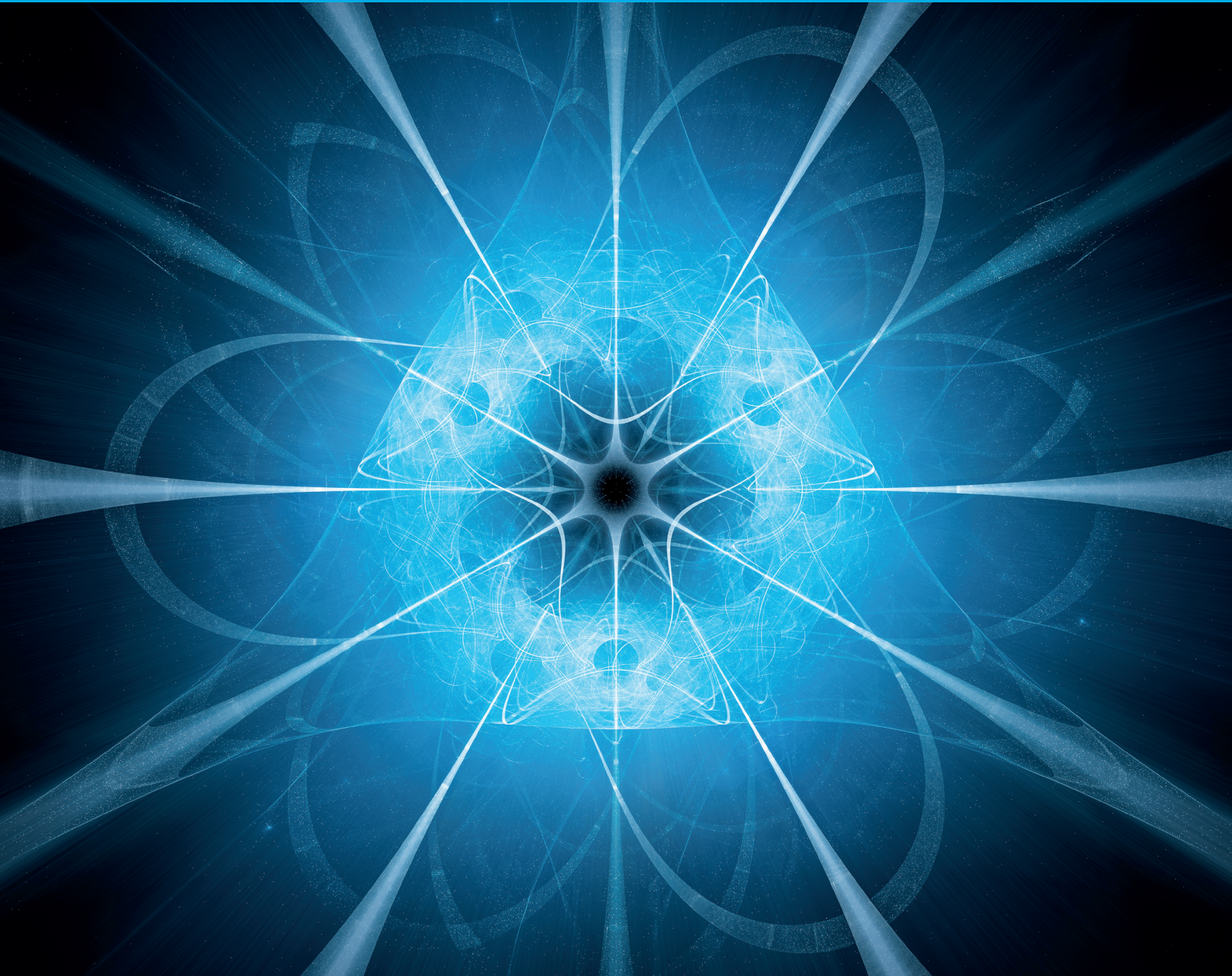


**Handbook**



# **IOP Annual Nuclear Physics Conference 2018**

**4–6 April 2018  
University of the West of Scotland  
Paisley, UK**

Organised by the IOP Nuclear Physics Group

**IOP** Institute of Physics



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## IOP Annual Nuclear Physics Conference 2018

### Contacts

#### Conferences team

Please read this handbook prior to the event as it includes all the information you will need while onsite at the conference. If you have any questions or require further information, please contact Ana Santos or the IOP conferences team.

The conferences team will be on-site for the duration of the meeting ([see registration times](#)) to answer any questions and to support the overall running of the event.

If you encounter any problems at the conference, please contact the conferences team who will make every effort to rectify the issues as soon as possible.

Ana Santos  
Tel: +44 (0)20 7470 4984  
Email: [ana.santos@iop.org](mailto:ana.santos@iop.org)

Conferences team  
Email: [conferences@iop.org](mailto:conferences@iop.org)

#### Organising committee – Nuclear Physics Group

John F. Smith (chair), University of the West of Scotland  
Carly Dawson, University of the West of Scotland  
James Keatings, University of the West of Scotland  
David O'Donnell, University of the West of Scotland  
Emma Paterson, University of the West of Scotland  
Marcus Scheck, University of the West of Scotland

### Sponsors

**IOP** Institute of Physics



Science & Technology  
Facilities Council





## IOP Annual Nuclear Physics Conference 2018

Poster prizes sponsor



**MIRION**  
TECHNOLOGIES

Best talk sponsors



**IOP** | Institute of Physics  
Nuclear Physics Group

Coffee Breaks sponsor



Co-Sponsor

**UWS** UNIVERSITY OF THE  
WEST of SCOTLAND

Exhibitors

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TECHNOLOGIES

Mirion Technologies (CANBERRA UK) Limited. We are one of the UK's leading suppliers of instrumentation for Spectroscopy, Characterization, Health Physics and Environmental Monitoring to the nuclear industry. We have offices in Harwell, Seascale and Forss.



Thorlabs, founded in 1989 to serve the laser and electro-optics research market is a vertically integrated photonics products manufacturer. Thorlabs has extended its core competencies in an effort to play an ever increasing role serving the Photonics Industry at the research end, as well as the industrial, life science, medical, and defence segments.

### Disclaimer

The Institute of Physics and the University of the West of Scotland accept no responsibility for any accident, loss or damage to participants or their property.

### Venue

#### Conference

The conference will be held on the Paisley Campus of the University of the West of Scotland (UWS). The UWS Paisley Campus occupies over 20 acres in the center of Paisley, the largest town in Scotland.

The plenary talks, public lecture and the STFC Town meeting will be held in Chancellor's Hall, located in the Brough building, which is adjacent to the main reception of the campus. Parallel talks will be held in the Coats building (P block), in rooms P114 and P118. The exhibition and poster presentation will be held in the upper atrium area in the Brough building. Please refer to the programme to find the exact location of each event.

A site plan of the venue is appended to this handbook.

Please find the address for the University of the West of Scotland – Paisley campus below:



University of the West of Scotland  
Paisley Campus  
Paisley  
PA1 2BE  
Scotland  
United Kingdom

### Whisky Tasting

There will be a whisky tasting session with canapes on Wednesday 4 April at 17:00. This will be served in the upper atrium area of the university, alongside the poster session.



## IOP Annual Nuclear Physics Conference 2018

### Social Evening

The Conference dinner will be held in Paisley Abbey on Thursday 5 April between 18:30 and 22:00. The Abbey is in Paisley town centre and is approximately a 10-minute walk from the UWS Paisley campus. A site map of Paisley town centre is appended at the back of this book.

Please find the address for the Paisley Abbey below:



Abbey Close  
Paisley Renfrewshire  
PA1 1JG  
Scotland  
United Kingdom

### Programme

The full conference programme can be found online at <http://nuc18.iopconfs.org/programme>.

Wednesday 4 April	
09:00	Registration and coffee
09:30	Welcome and introduction
10:00	Plenary session 1 ( <i>2 invited talks</i> )
11:00	Coffee break
11:30	Plenary 2 ( <i>2 invited talks</i> )
12:30	Lunch
13:30	IOP NPGC AGM
14:00	Parallel sessions 1&2
15:00	Coffee break
15:30	Parallel sessions 3&4
16:30	Plenary 3 ( <i>1 invited talk</i> )
17:00	Exhibition, poster session and whisky tasting
18:30	Public lecture

Thursday 5 April	
08:30	Registration and coffee
09:00	Plenary session 4 ( <i>4 invited talks</i> )
11:00	Coffee break
11:30	Parallel sessions 5&6
12:30	Lunch
13:30	Plenary session 5 ( <i>4 invited talks</i> )
15:30	Coffee break
16:00	Parallel sessions 7&8
18:00	Conference dinner



## IOP Annual Nuclear Physics Conference 2018

### Friday 6 April

09:00	Registration and coffee
09:30	Parallel sessions 9&10
10:30	Coffee break
11:00	Plenary session 6 ( <i>3 invited talks</i> )
12:30	Lunch
13:30	STFC Town meeting
15:30	Coffee and departure

## Registration

Registration will be held in the atrium, near the reception, at the entrance of the Paisley campus on 4 and 5 April. On 6 of April, the registration desk will be in rooms P123/125 in Coats building (P block). Each participant will receive a conference pack including a pen, pad, a printed copy of the programme, a list of delegates (with names and affiliations) and a lapel badge inside their conference bags. The abstract book will be in digital (PDF) format only and is available to download from the conference's website. The times for registration are given in the table below.

Date	Time
Wednesday	09:00-17:00
Thursday	08:30-16:00
Friday	09:00-12:30

## WiFi

WiFi is available through Eduroam or through the UWS Guest network. If you have any problems accessing the internet through these networks, please speak to the staff on the registration desk.

## Catering

The registration fee includes lunch and refreshments for the duration of the conference, a buffet dinner on Wednesday 4 April, a whisky tasting session with canapes, and the conference dinner.

Lunch and refreshments will either be in the upper atrium area in the Brough building or in P123 and P125 in Coats building, depending on the location of the previous session. This will all be specified in the programme.

The buffet dinner on 4 April will be served in the upper atrium and the conference dinner will be held at Paisley Abbey.

Maps and directions to each of these locations are appended to this book.

Please refer to the table below for timings.



## IOP Annual Nuclear Physics Conference 2018

Date	Event	Time
Wednesday 4 April	Arrival refreshments	09:00-09:30
	Refreshment break	11:00-11:30
	Lunch- hot buffet	12:30-13:30
	Afternoon refreshments	15:00-15:30
	Whiskey tasting with canapes	17:00-18:30
	Buffet dinner	20:00-21:00
Thursday 5 April	Arrival refreshments	08:30-09:00
	Refreshment break	11:00-11:30
	Lunch – Anti pasti	12:30-13:30
	Refreshment break	15:30-16:00
	Conference dinner	18:00-22:00
Friday 6 April	Arrival refreshments – Scottish hangover cure	09:00-09:30
	Refreshments break	10:30-11:00
	Lunch – hot buffet	12:30-13:30
	Refreshments and close	15:00-15:30

### Dietary requirements

Participants with dietary requirements are asked to include this information on their registration form or to notify the conference office by email prior to their arrival. It will not be possible to provide an alternative menu unless prior notification has been received. Please email [ana.santos@iop.org](mailto:ana.santos@iop.org) if you have any questions.

### Information for presenters

#### Oral presentations

Both the Chancellor's Hall and the rooms in the Coats Building (P-block) include a projector, screen, laptop/PC, speakers and microphone facilities. If you require any additional equipment, please email [ana.santos@iop.org](mailto:ana.santos@iop.org). Presenters are asked to prepare their presentations to match the time allocated in the programme (including questions) as these will be strictly enforced by the chairs of the sessions.

Suggested time guidelines:

- Plenary sessions: 25 minutes talk + 5 minutes questions
- Parallel sessions: 12 minutes talk + 3 minutes questions

Presentations should be structured to include an introduction, the main content and conclusions. Visual aids (e.g. maps, charts etc) can be used but you are advised to keep the information simple, use colour and contrast for emphasis and use a large enough font (minimum 15 point) to ensure legibility.

If convenient, please email your presentation to [ana.santos@iop.org](mailto:ana.santos@iop.org) prior to the event so it can be pre-loaded on the computers. If this is not possible, please bring your presentation to the conference on a USB memory stick and load it onto the PC located in the room allocated to your talk, prior to the start of the session in which you are speaking. Please name your file with your surname and initials in the appropriate folder on the desktop (the folders will be labelled by session). Connection of personal laptops is possible, but use of the computers that are provided is preferred. Once you finish your talk, please delete the file off the system.

The electrical current in the UK is 230v AC and 3 pin plug sockets. The university will have a few European to UK and US to UK adaptors, but it would be prudent to bring your own adaptor.





## IOP Annual Nuclear Physics Conference 2018

### Poster presentations

Posters will be on display for the duration of the conference. Presenters are asked to be next to their posters throughout the poster session on Wednesday 4 April from 17:00 to 18:30, to answer questions from delegates and discuss their work.

Poster boards are 6ft by 3ft and orientated vertically. Posters should be A0 in size (118.9 x 84.1cm / 46.8 x 33.1 inches), in a portrait format. Posters must be prepared in advance of the conference as it will not be possible to print them on-site. Fixing material will be supplied to mount your poster.

Posters can be mounted from 09:00 on Wednesday 4 April and should be removed by 13:30 on Friday 6 April. Any poster not removed at the correct time will be recycled.

### Travel

For travel information, please refer to the website page at <http://nuc18.iopconfs.org/travel>.

### Parking

Parking within the University of the West of Scotland campus requires a permit and is limited. Please email [ana.santos@iop.org](mailto:ana.santos@iop.org) if you require a parking space.

As an alternative, there is multi story car park next to the university with a daily rate of around £5.

### Health and safety

#### Safety and emergency evacuation procedures

In case of a fire, delegates are asked to leave the building they are at via the nearest signed fire exit. Fire wardens from the university will direct everyone to the respective assembly points (these vary in different buildings).

Delegates are asked not to use any lifts and not to enter any zone without the all clear from the fire wardens.

#### Security

Do not leave your belongings or valuables unattended at any time as abandoned bags will be removed by security, and may be destroyed. The university is not liable for any damages or losses. Coat rails will be provided in the rooms used during the conference but delegates are advised to keep valuable items, like laptops, with them at all times. Delegates will not be able to store any luggage at the university. For lost and found items, please contact the registration desk or the main reception of the university in the atrium.

#### Smoking

The University of the West of Scotland is a smoke-free campus (including e-cigarettes).

#### First aid

If you need help or have witnessed an accident, please contact the university's security department on extension 2222 from an internal phone or 0141 848 3168 from an external phone. . There are phones located all over the corridors and class rooms. Call 999 if you require an ambulance.



## IOP Annual Nuclear Physics Conference 2018

### Payment

The organiser reserves the right to refuse admission to any participant who has failed to pay their registration fee prior to the event.

### General notices

Behaviour and conduct: courteous and reasonable behaviour is expected from guests at all times. Inappropriate behaviour or offensive language will not be tolerated.

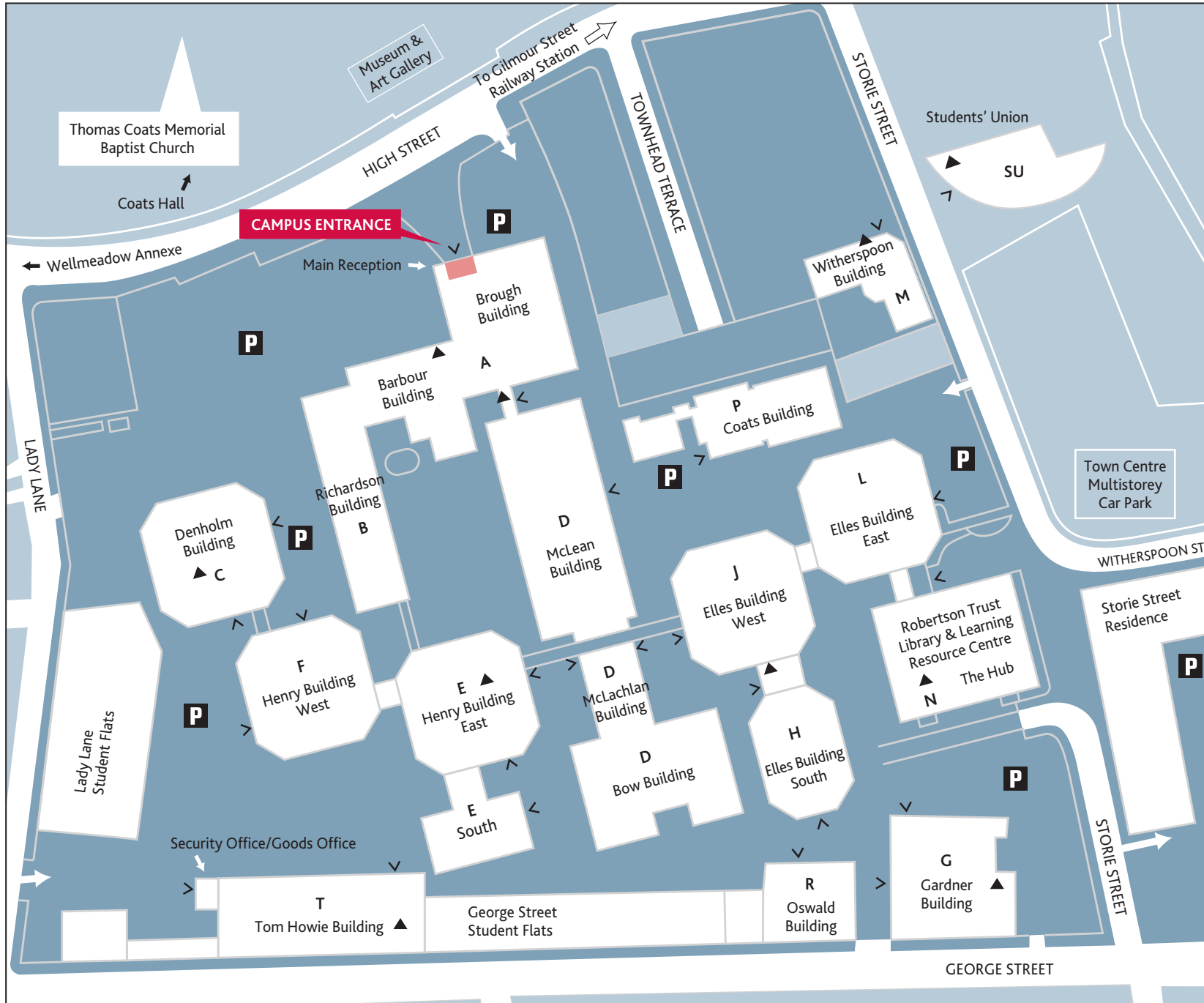
### IOP Membership

Membership of the Institute of Physics is for everyone who has an interest in the subject and its future. The Institute actively promotes physics to external audiences, increasing awareness of the importance of physics in government, education and industry. Our members come from diverse backgrounds and follow all kinds of different careers; many are directly involved in physics but as many are using their physics training in a wide range of businesses.

For more information, please visit [www.iop.org/membership](http://www.iop.org/membership)

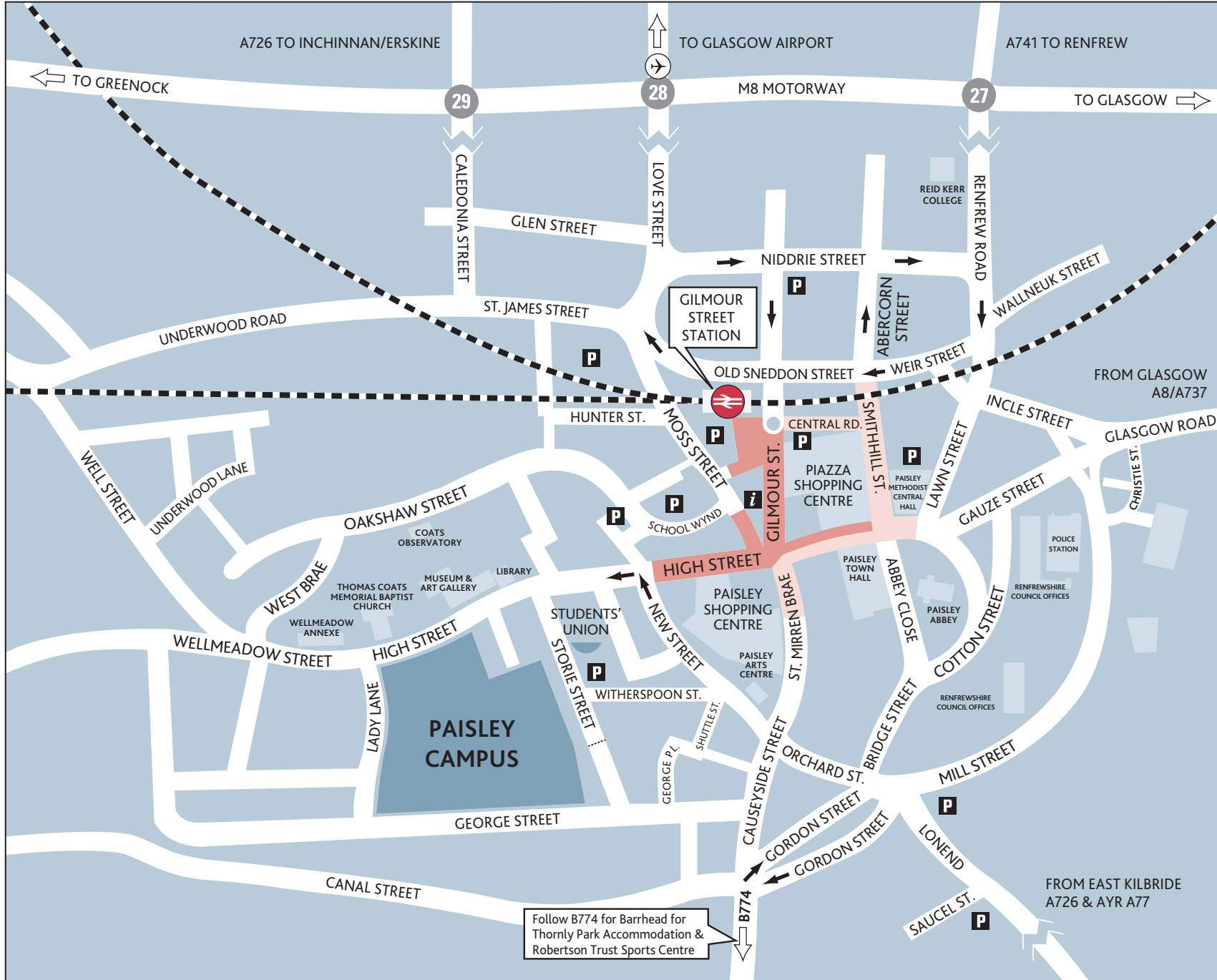
Membership benefits include:

- Physics World - the world's leading physics magazine, monthly by post, online or as an app
- IOP Journal downloads
- Careers information and resources
- Professional Status
- Academic dress
- Learning online courses
- '@physics.org' email address
- Support and grants
- Members' room
- Meeting rooms
- Member rate for IOP conferences
- Discount on author charges (NJP)
- Business journals
- Making money out of ideas
- Local branch affiliation
- Specialist 'Groups' - join the IOP Plasma Physics group
- Member talk
- Apply to become a fellow
- IOP LinkedIn group



<b>BUSINESS SCHOOL STUDENT OFFICE</b>	<b>G103</b>
<b>SCHOOL OF ENGINEERING &amp; COMPUTING STUDENT OFFICE</b>	
Computing Courses	<b>E106</b>
Engineering Courses	<b>E106</b>
<b>SCHOOL OF SCIENCE AND SPORT STUDENT OFFICE</b>	<b>C237</b>
Biological Sciences	<b>C</b>
Chemical Engineering	<b>C/D</b>
Chemistry	<b>C</b>
Mathematics & Statistics	<b>H</b>
<b>SCHOOL OF HEALTH, NURSING &amp; MIDWIFERY STUDENT OFFICE</b>	<b>A503</b>
School Assessment Office	<b>A507</b>
Distance Learning	<b>A</b>
<b>SCHOOL OF MEDIA, CULTURE &amp; SOCIETY STUDENT OFFICE</b>	
CCI Courses	<b>E305</b>
Social Science Courses	<b>L242</b>
<b>SUPPORT/ADMINISTRATIVE SERVICES</b>	
Centre for Academic and Professional Development	<b>H</b>
Coats Building	<b>P</b>
Marketing & Communications	<b>M</b>
Estates & Buildings	<b>A</b>
Finance	<b>M</b>
Health & Safety Services	<b>A</b>
People and OD	<b>M</b>
Information Services	<b>J</b>
Innovation & Research Office	<b>A</b>
Library & Learning Resource Centre	<b>N</b>
Printing Services	<b>L</b>
Quality Enhancement Unit	<b>A</b>
Reception	<b>A</b>
Residential Accommodation Unit	<b>J</b>
The Hub/Student Services	<b>N</b>
• Funding & Advice	
• International Student Support	
• Counselling	
• Multifaith Chaplaincy	
• Disability Support	
<b>GENERAL</b>	
Brough Hall	<b>A</b>
IT Academy	<b>E South</b>
Cafes/Snack Bars	<b>A/J/E/Union</b>
Students Union & Main Refectory	<b>SU</b>
Scottish Baptist College	<b>E303</b>

- > Wheelchair Access (without assistance)
- ▲ Lift
- P** University Parking



**Institute of Physics**

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**[www.iop.org/conferences](http://www.iop.org/conferences)**

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